



# STANDARD SERIES

MAIDA STYLE NUMBER D6121ZOV950RA03

MAIDA ITEM NUMBER 01-1258

**VARISTOR SPEC SHEET**

### Electrical Specifications

Continuous AC Voltage	95 VAC
Continuous DC Voltage	127 VDC
Maximum DC Leakage @ 127 VDC	200 $\mu$ A
Low Varistor Voltage Limit	135 VDC
High Varistor Voltage Limit	165 VDC
Nominal Varistor Voltage	150 VDC
Current for Varistor Voltage	1 mA
Maximum Clamp Voltage	255 V
Maximum Clamp Voltage Test Current	25 A
Peak Current Rating (1 Pulse)	3500 A
Peak Current Rating (2 Pulse)	2500 A
Energy Rating (8X20us)	25 J
Energy Rating (10X1000us)	25 J
Typical Capacitance	750 pF
Impulse Response Time	< 50 ns
Minimum Hipot of Coating	2500 VDC
Minimum I.R. of Coating	1000 M $\Omega$
Current/Energy Derating Above 85 $^{\circ}$ C	-2.5 %/ $^{\circ}$ C

### Thermal Specifications

Minimum Operating Temperature	-40 $^{\circ}$ C
Maximum Operating Temperature	85 $^{\circ}$ C
Varistor Voltage Temperature Coeff	-0.05 %/ $^{\circ}$ C
Minimum Storage Temperature	-50 $^{\circ}$ C
Maximum Storage Temperature	125 $^{\circ}$ C
Recommended Solder Temperature	260 $^{\circ}$ C
Recommended Reflow Temperature	260 $^{\circ}$ C

### Notes

### Physical Specifications

Lead Style	110B1
X Nominal	0.3 in.
X Tolerance	0.04 in.
Y Nominal	0.071 in.
Y Tolerance	0.03 in.
Z Nominal	0.308 in.
Z Tolerance	0.04 in.
Lead Length Nominal	1.00 in.
Lead Length Tolerance	min. in.
d Nominal	0.032 in.
Wire Gauge	20 AWG
Minimum Marking	Z950-03UL
Nominal Disk Size	10 mm
D Maximum	0.472 in.
T Maximum	0.191 in.
H Maximum	0.597 in.
Coating Type	EPOXY



\* Contact Maida for a more detailed configuration drawing.

### Safety Agency Recognitions

UL 1449 File Number	E321173
- Tested to Type:	4
C-UL File Number	
CSA File Number	
VDE File Number	
SEV File Number	



**MAIDA DEVELOPMENT COMPANY**  
P.O. Box 3529  
Hampton, Virginia 23663  
Ph: (757) 723-0785 Fax (757) 722-1194

[www.maida.com](http://www.maida.com)